



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/878,006	06/08/2001	Mathias Jean Rene Salle	B-4207 618871-7	1794

7590 03/08/2005

IP Administration
C/o Hewlett-Packard Company
3404 East Harmony Road
Mail Stop 35
Ft. Collins, CO 80528-9599

EXAMINER

FAROOQ, MOHAMMAD O

ART UNIT	PAPER NUMBER
----------	--------------

2182

DATE MAILED: 03/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/878,006

Applicant(s)

RENE SALLE, MATHIAS JEAN

Examiner

Mohammad O. Farooq

Art Unit

2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 July 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 September 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 4-5-10/4-01 10/1/01 7/2/01 7/19/04
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☒ Other: IDS-7/19/04

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Sistanizadeh et al. U.S. Pat. No. 5,790,548.
2. As to claim 1, Sistanizadeh et al. teach method, including steps of:
 - allocating a virtual name to the service provider (inherent; see fig. 3);
 - making the virtual name available to a client on the external network (inherent ; see fig. 3);
 - binding the virtual name to the routing address of the gateway on the external network (i.e. via DNS server; item 332, 330; fig. 3); and
 - binding the virtual name to the routing address of the service provider on the private network (via DNS server; item 346, 340; fig. 3).

Art Unit: 2182

3. As to claim 2, Sistanizadeh et al. teach method in which virtual name is bound to the routing address of the gateway and the routing address of the service provider by way of an external domain name server and private domain name server, respectively (items 332, 346; fig. 3).

4. As to claim 3, Sistanizadeh et al. teach method in which the virtual name is bound to the routing address (i.e. name to address resolution) of the service provider on an internal naming service (i.e. via internal DNS; item 346, fig. 3).

5. As to claims 4, 12 and 13, Sistanizadeh et al. teach method in which the external network includes the internet (i.e. since connection via ISP; see fig. 3).

6. As to claims 5, 14, 15 and 16, Sistanizadeh et al. teach method in which the client and the service provider communicate by way of tunneled session via the gateway (since various types of connections; fig. 1, 2, 3, 4A and 4B).

7. As to claim 6, Sistanizadeh et al. teach method in which messages communicated between the client and service provider are encrypted (inherent; see fig. 2, 3, 4A and 4B).

Art Unit: 2182

8. As to claim 7, Sistanizadeh et al. teach method second networks including the steps of:

- allocating a second virtual name to the client (item 30, fig. 2);
- making the second virtual name available to the service provider (via router 34; fig. 2; item 14, fig. 2);
- binding the second virtual name to the routing address of the second gateway on the external network (inherent; fig. 2); and
- binding the second virtual name to the routing address of the client on the second internal network (since routers can have DNS server associate with them, fig. 2 and 3).

9. As to claim 8, Sistanizadeh et al. teach method second service provider, including the steps of:

- allocating a second virtual name to the second service provider (item 342, fig. 3);
- making the second virtual name available to a client (item 28, fig. 2);
- binding the second virtual name to the routing address of the second gateway on the external network (inherent; item 32, fig. 2); and
- binding the second virtual name to the routing address of the second service provider on the second private network (item 10; fig. 2).

10. As to claim 9, Sistanizadeh et al. teach method including the additional steps of:

- binding the virtual name to the routing address of the further gateway on the portion of the external network which is external to the further private network (inherent; fig. 1, 2, 3, 4B and 5).

11. As to claim 10, Sistanizadeh et al. teach method involving:

- (a) - allocating a virtual name to the server and mapping it by a first mapping to the routing address of the gateway on the external network and by a second mapping to the routing address of the server on the private network (via DNS server; item 332, 330; fig. 3; item 346, 340; fig. 3).;
- (b) - at said external client, using the virtual name to address a said first message and a said second message, the former encapsulation the latter (inherent because of name to address resolution; fig. 2 and 3);
- (c) - using the first mapping to route the first message, with its encapsulated second message, to the gateway (fig. 2 and 3); and
- (d) - using the second mapping to route the second message extracted at the gateway from the first message, to the server (fig. 2 and 3).

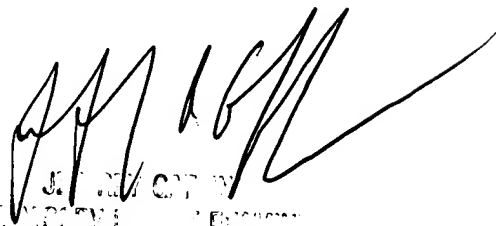
12. As to claim 11, Sistanizadeh et al. teach method in which said first messages are encrypted (inherent; see fig. 2, 3, 4A and 4B).

Art Unit: 2182

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad O. Farooq whose telephone number is (571) 272-4144. The examiner can normally be reached on 9:00am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Gaffin can be reached on (571) 272-4146. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



JEFFREY A. GAFFIN
SUPERVISOR
TECHNOLOGY CENTER 2100

Mohammad O. Farooq
March 1, 2005